

Title (en)
SAFETY WHEEL AND WALKING AID USING SAME

Title (de)
SICHERHEITSRAD UND GEHHILFE DAMIT

Title (fr)
ROUE DE SÉCURITÉ ET AIDE À LA MARCHE L'UTILISANT

Publication
EP 4233825 A1 20230830 (EN)

Application
EP 22194775 A 20220909

Priority
KR 20220024784 A 20220225

Abstract (en)
Proposed are a safety wheel mounted on a walking aid which is used when a patient or an elderly person with impaired mobility walks and to a walking aid using the safety wheel. The safety wheel is configured to be applied with a high braking force in case of sudden fall of a human body attributable to stepping or back-push, thereby protecting a user.

IPC 8 full level
A61H 3/04 (2006.01)

CPC (source: EP KR US)
A61H 3/04 (2013.01 - EP KR US); **B60B 19/00** (2013.01 - US); **B60B 33/0002** (2013.01 - KR); **B60B 33/0086** (2013.01 - US); **B60B 33/0094** (2013.01 - US); **B60B 33/023** (2013.01 - KR); **A61H 2003/043** (2013.01 - KR); **A61H 2003/046** (2013.01 - EP KR US); **A61H 2201/0173** (2013.01 - EP); **B60B 2200/26** (2013.01 - KR)

Citation (applicant)
• KR 100768645 B1 20071018 - KIM DUK YOUNG [KR]
• KR 100902252 B1 20090611 - KIM DUK YOUNG [KR]

Citation (search report)
• [X] WO 2021002638 A1 20210107 - KIM YOUNG TAE [KR]
• [X] WO 2018062707 A1 20180405 - ORBITN CO LTD [KR]
• [X] EP 2762742 A1 20140806 - NABTESCO CORP [JP], et al
• [X] WO 2012091442 A2 20120705 - HONG SUNG BIN [KR]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4233825 A1 20230830; KR 102663739 B1 20240503; KR 20230127466 A 20230901; US 2023270617 A1 20230831

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EP 22194775 A 20220909; KR 20220024784 A 20220225; US 202217939605 A 20220907